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IN THE SPECIFICATION:

Page 1, first full paragraph, lines 6-7, please amend as follows:

M The present invention relates to a display device applied to a signboard attached to a ~~top~~ceiling, a wall surface or the like of a building.

Page 1, third and fourth full paragraphs, lines 14-24, please amend as follows:

M Conventional methods for displaying a large size image ~~in a~~ at the top of a building or on a wall surface thereof include posting a color film or a color poster on a flat surface so as to illuminate the flat surface on a front side thereof with a lamp. This method permits viewers to recognize the illuminated color film or color poster at night.

Conventional methods for displaying a large size image ~~in a~~ at the top of a building or on a wall surface thereof also include illuminating the flat surface on which the color film or

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the color poster is posted on a backside of the flat surface with a light source disposed thereon, and causing neon tubes which are deformed to form a predetermined shape to emit light at night.

Page 2, first full paragraph, lines 3-8, please amend as follows:

M Furthermore, a conventional method for displaying still images as large side images on a display device such as Q board is familiar. On the display surface of the display device, a plurality of cuboidal display elements whose surfaces are applied to red, blue, green, white and so on, respectively, are mounted so as to ~~rotated~~ rotate by magnetic force, thereby displaying the still images.

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Page 2, third and fourth full paragraphs, lines 15-22,
please amend as follows:

24 In addition, the ~~voluntary~~ automatic large-sized image display panel allows freedom of presentation to be increased because of dealing with ~~vide~~ video images in addition to the still images.

The large-sized image display device, however, has a disadvantage such that it is costly and requires much power consumption because, in order to form an image which can be visible in the daytime, the brightness of the image ~~need to~~ must exceed that caused by a reflection of outside light represented by sunlight and so on.

Page 3, first full paragraph, lines 2-8, please amend as follows:

25 The present invention is directed to overcome the foregoing disadvantages. Accordingly, it is an object of the present invention to provide a display device which is capable of taking

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~~advantages~~ advantage of a posting display device and a ~~voluntary~~
~~and automatic~~ light emitting display device so as to ~~be served~~
serve as a posting signboard making use of sunlight in the
daytime and as a ~~voluntary~~ an automatic light emitting display
device for displaying images at night, thereby improving
expressive power of the display device with its cost low.

Page 4, line 5 to Page 5, line 9, please amend as follows:

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According to the preferred embodiment of this aspect, it is
possible to prevent ~~the leaked light~~ leaking from the light
emitting elements at night, thereby improving a display effect
when the outside light is ~~weaken~~ weak. The replacement of the
front panel causes the displayed nonluminous image to be easily
changed into new different nonluminous image.

In a preferred embodiment of this aspect, the nonluminous
image on the nonluminous area of the transparent seat is formed
with transparent coloring matter.

According to this preferred embodiment of this aspect, it
is possible to easily change the displayed nonluminous image

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into a new different nonluminous image by removing the seat to post a new seat on which the new different nonluminous image is formed.

In the preferred embodiment of this aspect, the device body includes supporting members for fixedly supporting the light emitting elements, the nonluminous area being formed on the front panel, the front panel being attached to the supporting members of the device body so that the through holes are opposite to the light emitting elements, respectively.

Accordingly to the preferred embodiment of this aspect, because the supporting members support simultaneously the light emitting elements and the front panel, accurately setting of the attachment position of the light emitting elements to the support members and the attachment position of the front panel permits the light emitting elements and the through holes to be located accurately opposite to each other.

In the preferred embodiment of this aspect, each of the light emitting elements is a light emitting diode.

According to the preferred embodiment of this aspect, because the light emitting diode has a relatively compact-sized

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light emitting element, it is possible to ~~make small~~ minimize the light emitting area, as compared with using discharge bulb or a light bulb, by using a relatively compact ~~so that the nonluminous light emitting area is wider according to the light emitting diode being compact,~~ thereby improving the visibility ~~visible recognition of the nonluminous image.~~

Page 8, second full paragraph, lines 10-14, please amend as follows:

Incidentally, hereinafter, 16X16 matrix of light emitting cells 4 which comprises 16 display modules 3 arranged in a parallel is taken as one display block DB so that, in Fig. 1, the display device D1 is configured to combine six display blocks DB so as to arrange the six display blocks DB in two lateral rows and three vertical columns.

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Page 9, second through fourth full paragraphs, lines 3-18,
please amend as follows:

AB This display block 3 also has a plurality of light emitting diodes 7 arranged correspondingly to the intervals of the holes 6a and mounted on the printed circuit board 8. On opposite surface of the printed circuit board 8, which is opposite to the surface on which the light emitting diodes 7 are mounted, circuit components are mounted for ~~making operate~~ operating the light emitting diodes 7.

The printed circuit board 8 is adhered on the projections 6b so as to be fixed to the case 6 so that the light emitting diodes 7 are freely fit in the corresponding projections 6b. After the printed circuit board 8 is fixed to the case 6, injecting silicon ~~resins~~ resin 9 for waterproofing in the projections 6b causes terminals of the light emitting diodes 7 and their peripheries to be sealed.

~~At~~ As the silicon ~~resins~~ resin 9 ~~being~~ is injected, as shown in Fig. 5, upper sides (front panel sides) of the light emitting diodes 7 are exposed through the through holes 2 to the

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outside so that a part of the silicon resin 9 can be visibly
~~recognized-visible~~ at a front side of the front panel 1.

Page 10, line 10 to Page 11, line 1, please amend as
follows:

29
The display device 1 also comprises a drive circuit 15
provided in each of the display modules 3 for ~~making-drive~~
driving each of the light emitting diodes (LED) 7 in each of the
display modules 3, a timer 16 for setting times at which the
control unit 11 turns the electrical supply unit 12 on and off
and a photo-sensor 17 for sensing illumination intensity on the
front panel 1.

Image signals representing a still image, sequential ~~still~~
still images or moving images displayed on the personal computer
10 are inputted to the control unit 11 so as to be processed,
thereby producing a display data. The display data is
transmitted from the control unit 11 so as to be transferred to
each of the signal distribution units 14 in each of the display
blocks DB. At least one of the drive circuits 15 of at least

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one of the display modules 3 of at least one of the display blocks DB ~~makes drive~~ drives at least one of the light emitting cells 4 in the at least one of the display modules 3 according to the display data distributed by each of the distribution units 14, causing at least one of the light emitting cells 4 to emit light. As a result, the image signals displayed on the personal computer 10 are displayed as the image on the front panel 1.

Page 11, lines 16 to 24, please amend as follows:

Then, for example, setting sunset time ~~to~~ as the first setting time and sunrise time ~~to~~ as the second setting time permits, in the daytime, the image formed on the front panel 1 to be displayed, and, at night, the image formed by the combination of the light emitting cells 4 to be displayed. Incidentally, the sunset time and sunrise time may be annual average sunset time and annual average sunrise time. The timer 16 may have a table storing ~~thereon~~ therein all sunset times and

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sunrise times for the year so as to set the first setting time and the second setting time on the basis of the table.

Page 12, second and third full paragraphs, lines 11-25, please amend as follows:

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Then, for example, ~~setting,~~ as the threshold illumination intensity, is defined as the illumination intensity adjacent to the front panel 1 caused by the light emitted from each of the light emitting cells 6. ~~When ambient light is permits, when the environment is turned to that in which the image signals on the personal computer 10 is recognized~~ are recognizable, the power supply provides power ~~to be started to~~ each of the display blocks DB, whereas, when the ~~environment is turned to ambient light is~~ that in which the image formed located on the front panel 1 ~~is recognized~~ recognizable, the power supply to each of the display blocks DB ~~to be~~ is stopped.

Using both of the timer 16 and the photo-sensor 17 may ~~perform the control of the start/stop of the power supply.~~ For example, the control unit 11 may control the start of the power

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A11
supply on the basis of the sensed illumination intensity by the photo-sensor 17 according to the change of the illumination in the environment of the front panel 1, and the stop of the power supply at the predetermined times based on the output signals from the timer 16.

A.C.
10/7/03
Page 13, line 16 to Page 14, line 1, please amend as follows:

A12
The above configuration of the present invention permit, in the daytime, as shown in Fig. 7, the display device D1 to be served as the poster signboard and, at night, as shown in Fig. 8, it to be served as the ~~voluntary~~ automatic light emitting display device, causing still image, sequential still images or moving images to be displayed on the display device D1, making it possible to richly expressive images on the display device D1.

For example, the image shown on the display device D1 in fig. 8 permits the expression of the sun ~~being shined~~ shining and that of the cloud ~~being moved~~ moving. The use of the light

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emitting diodes 7 as light emitting elements in the light emitting cells 4 causes the power of the display device D1 to be saved and the lifetime of that to be lengthened, as compared with using discharge tubes or light bulbs as the light emitting elements.

Page 14, second full paragraph, lines 7-12, please amend as follows:

A13
It is desirable to ~~make small~~ minimize the area of each of the through holes 2 and to increase a number of the through holes 2, as one example, as compared with enlarging, the area of each of the through holes 2, as another example, even if total areas of all of the through holes 2 according to the one example are the same as those of all of the through holes 2 according to the another example.

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Page 14, line 20 to Page 15, line 6, please amend as follows:

P14
The ~~If the~~ top (front) portion of the light emitting diode 7 is positioned to be excessively ~~drawn~~ recessed with respect to the front panel 1, that is, ~~apart the~~ recessed behind front panel, ~~causing visible recognition from outside then visibility of the diode 7 at night to be damaged will be compromised.~~ On the other hand, if a top portion of the light emitting diode 7 is positioned to excessively project ~~with respect to~~ from the front panel 1, ~~that is, excessively close thereto, causing light leaked from the front panel 1 to~~ some light will illuminate the surrounding surface periphery of the through hole 2 in the front panel 1, thereby causing ~~whereby the image formed located on the front panel 1 to be visible is visibly recognized at night.~~ In addition, Also, if the top portion of the light emitting diode 7 is positioned to excessively project with respect to the front panel 1, ~~causing the~~ a shadow due to the sunlight to ~~will~~ will spoil the appearance of the image formed on the front panel 1.

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The top portion of the light emitting diode 7, therefore,
~~is preferable to be~~ preferably is slightly drawn recessed with
respect to the front panel 1.

Page 15, third full paragraph, lines 16-22, please amend as
follows:

115
The display device D1 in this second embodiment comprises a
transparent ~~seat-layer~~ 18 ~~posed~~ located on the front panel 1 so
that a design including at least one character or at least one
picture is formed as an image on the transparent ~~seat-layer~~ 18
in place of the front panel 1. The transparent ~~seat-layer~~ 18 is
formed with a plurality of transparent portions 19 arranged to
correspond to the through holes 2, respectively. No image is
formed on the transparent portions 19.

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Page 15, line 25 to Page 16, line 6, please amend as follows:

AMC
The ~~seat-layer~~ 18 is ~~posted~~ located on the front panel 1 so that each of the transparent portions 19 coincides with each of the through holes 2, thereby forming the image on the front panel 1.

The configuration of the second embodiment, in cases of changing the displayed image on the display device, can change the displayed image on the display device by changing the ~~seat layer~~ 18 so as to ~~post-locate~~ locate a new ~~seat-layer~~ 18' on which another image is formed, making it possible to change the displayed image without removing the front panel 1.

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Page 16, third full paragraph, lines 16-20, please amend as follows:

AM
The display device D1 in this third embodiment comprises a transparent ~~seat~~layer 20 ~~posted~~located on the front panel 1 so that a design including at least one character or at least one picture is formed with a high transparent ink having photo transmission on the transparent seat 20 in place of the front panel 1.
